

### **ABSTRACT**

A simplified Polymerase Chain Reaction (PCR) sample preparation apparatus and method of using a PCR sample preparation for both liquid and dry samples. A portable apparatus comprising a handle removably attached to a wand assembly. The handle includes a cover and a swab with an absorbent material. The wand assembly includes a buffer container for a buffer that is ruptured by a spike when the holder is inserted into the wand assembly. The apparatus may include a waste container removably attached to a tube comprising a plunger, a safety clip to prevent the plunger from depressing, and a port for introduction of a liquid sample. A filter on the waste container collects a specimen of the liquid sample for preparation as described above.